

Name: _____

Date: _____

Notes

Algebra Section 6.2

Pages 363-368

Goal: "You will solve inequalities using multiplication and division."



If you _____ or _____ by a
_____, you must _____ the
_____ !!!!!

Solve and graph each inequality:

Ex: $\frac{x}{4} < 5$



Ex: $\frac{x}{3} > 8$



Ex: $\frac{m}{-8} \leq -2$



Ex: $\frac{y}{2.5} \geq -4$



Ex: $\frac{x}{-6} < 7$



Ex: $-3x > 24$



Ex: $\frac{y}{7} \geq -4$



Ex: $-6x \leq 18$



****Here are some trickier ones if you want to graph****

Ex: $12 < \frac{x}{-4}$



Ex: $16 > \frac{m}{-7}$



Ex: $5v \leq -45$



Ex: $24 \geq -6n$



Ex: A student pilot plans to spend 80 hours on flight training to earn a pilot's license. The student has saved \$6000 for training. Write an inequality to represent r , the hour rate the student can afford to pay. What are the possible hourly rates?